

Test Scenarios and Scripts
LPIF Enhancement
Document Change Control

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Financial Management System (FMS)
TO 146 LPIF Enhancement
Test Scenarios

Script Number	Description	Scenario Number	Scenario (High-Level Steps)	Requirement Number	Estimated Test Date	Status
1.	Receipt, processing, and format of the FMS FFEL GA NSLDS Fee Load Interface File.	1.	Verify that a message is communicated to NSLDS when the file is received.	4.1		
		2.	Verify that the file is no longer received on FMS FTP server.	1.1		
		3.	Verify that the file is received on FMS Database server using eAI Bus (MQseries)	1.2		
		4.	Verify that the FMS program checks the database server for the file.	1.3		
		5.	Verify that the successful file is saved to the LPIF Data File Archive	1.4		
		6.	Verify that the file follows the agreed data file structure (Position, Attribute, Field Format, and Length), as described in Deliverable 146.1.1 Functional Design Document.	2.1		
2.	LPIF Calculation Program	7.	Verify that the file has a rate indicator at the end of each GA detail record.	2.2		
		8.	Verify that information from the file is loaded into staging tables where it is processed to arrive at the fee amount.	3.1		
		9.	Verify that the disbursement amount is calculated: Disbursement Amount = Loan Amt (Basis Points/1000) / 100	3.2		
		10.	Verify that the interface is able to accommodate future rate changes without any further code changes.	3.3		
3.	NSLDS Communication.	11.	Verify that the disbursement amounts are loaded to Oracle Payable Open interface tables.	3.4		
		12.	Verify that the file is rejected and an error is communicated to NSLDS if more than one header record is present in the file.	4.2		
		13.	Verify that the file is rejected and an error is communicated to NSLDS if more than one trailer record is present in the file.	4.3		
		14.	Verify that the file is rejected and an error is communicated if the number of detail records in the file does not match the record count mentioned in the trailer record.	4.4		
		15.	Verify that the file is rejected and an error is communicated if the Basis Point is zero.	4.5		
		16.	Verify that the file is rejected an error is communicated to NSLDS if a detail record has a zero amount.	4.6		
		17.	Verify that the file is rejected and an error is communicated to NSLDS if one or more records are in error.	4.7		
		18.	Verify that the rejected file is saved to the LPIF Data File Archive	1.4		

Financial Management System (FMS)
TO 146 LPIF Enhancement -Test Scripts
1.0 Receipt, format and processing of the FMS FFEL GA NSLDS Fee Load Interface File.

Test Script Name: Receipt, format and processing of the FMS FFEL GA NSLDS Fee Load Interface File.					Test Date:		
Script Executed By: Irene Alisasis					Script Execution Status (Pass/Fail):		
Step No.	Steps	Action / Data Required	Expected Results	Actual Results	Req't X-ref	Pass/Fail	Comments
1	Request NSLDS to send the FMS FFEL GA NSLDS Fee Load Interface File.		NSLDS processes request and sends file.				
2	Verify that a message is communicated to NSLDS when the file is received.				4.1		
3	Access the test email account and verify that a message was sent to NSLDS indicating that the file has been received.		An error is emailed to NSLDS indicating that the file has been received.				
4	Verify that the file is no longer received on FMS FTP server.				1.1		
5	Using telnet or Tera Term, access the VDC UNIX box and access the FMS FTP Server.		The user is able to access the FMS FTP Server.				
6	Enter the TCP/IP host and Click OK.	Host: hpl7	The user is able to enter the TCP/IP host.				
7	Check the incoming directory.	Path: /ga/ffel	The user is able to access the incoming directory.				
8	Verify that the file is not on this server.		The user is unable to locate the file on the FMS FTP Server.				

9	Verify that the file is received on FMS Database server using eAI Bus (MQseries).				1.2		
10	Using telnet or Tera Term, access the VDC UNIX box to access the FMS Database Server.		The user is able to access the FMS Database Server.				
11	Enter the TCP/IP host and Click OK.	Host: hpl6	The user is able to enter the TCP/IP host.				
12	Check the incoming directory.	Path: /sfad06/APPLCSF/DEVCO M/ffelga/incoming	The user is able to access the in directory.				
13	Verify that the file is received on FMS Database server using eAI Bus (MQseries).		The user is able to locate the file on the FMS DB Server.				
14	Verify that the file is saved to the LPIF Data File Archive.				1.4		
15	Check the LPIF Data File Archive.	Path: /sfad06/APPLCSF/DEVCO M/ffelga/incoming/history	The user is able to access the history directory.				
16	Verify that the file appears with the correct date, file name, and .S% extension.		The file appears with the correct date, file name, and .S% extension.				The system automatically generates an extension based on 'R' for rejected and 'S' for successful followed by a unique number.
17	Verify that the file follows the agreed data file structure (Position, Attribute, Field Format, and Length), as described in Deliverable 146.1.1 Functional Design Document.				2.1		
18	Obtain the file from the Database server.		The user is able to obtain the file from the Database server.				
19	Save the file.		User is able to save file.				
20	Open the file using Textpad.		The user is able to view file using text pad.				

21	Verify that the Header Record Layout follows the agreed data file structure , as described in Deliverable 146.1.1 Functional Design Document.		The Header Record Layout follows the agreed data file structure , as described in Deliverable 146.1.1 Functional Design Document.				
22	Verify that the Trailer Record Layout follows the agreed data file structure , as described in Deliverable 146.1.1 Functional Design Document.		The Trailer Record Layout follows the agreed data file structure , as described in Deliverable 146.1.1 Functional Design Document.				
23	Verify that the file has a rate indicator at the end of each GA detail record.				2.2		
24	Verify that the Detail Record Layout follows the agreed data file structure , as described in Deliverable 146.1.1 Functional Design Document.		The Detail Record Layout follows the agreed data file structure , as described in Deliverable 146.1.1 Functional Design Document.				
25	Verify that each record has a rate indicator.		Each record has a rate indicator				
26	Verify that the FMS program checks the database server for the file.				1.3		
27	Create a dummy file.		The user is able to create a dummy file with data different that the file obtained from the Database server.				
28	Place the dummy file in the FMS FTP Server.		The dummy file appears on the FMS FTP Server.				
29	Access the Federal Student Aid Financial Management System.		The user is prompted for User Name and Password.				
30	Enter User Name and Password. Click Connect.	User Name: Password:	The Responsibilities screen is displayed.				

31	Select the FSA Financial Partner Manager Responsibility.		The Navigator screen is displayed.				
32	Select Others - Requests - Run. Click on Open.		The Submit a New Request prompt is displayed.				
33	Select Single Request.		The Submit Request screen is displayed.				
34	Enter the following data and click Submit Request.	Request Name: Parameters: Language: At these Times: Notify: Print to:	The Reports screen is displayed.				
35	Select the FSA Process NSLDS Load Interface and click OK.		The Requests screen is displayed.				
36	Verify that the Request is displayed with the Phase: Completed and Status: Normal.		The request is processed successfully.				
37	Login into Toad.		The user is able to access Toad.				
38	Access the DEVCOM.WORLD Server.	User Name: FFELGA Password: FMS1Devcom	the DEVCOM.WORLD server.				
39	Run Query: Select * from FFELGA_NSLDS_LPIF_FEES		The query is completed successfully.				
40	Verify that the data from the table matches the file placed on the Database server, not the dummy file.		The program processed the file from the Database server.				
41	Clear the new data from the FFELGA_NSLDS_FEES table.		The new data is cleared from the tables.				

Financial Management System (FMS)
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2.0 LPIF Calculation Program

Test Script Name: LPIF Calculation Program					Test Date:		
Script Executed By: Irene Alisasis					Script Execution Status (Pass/Fail):		
Step No.	Steps	Action / Data Required	Expected Results	Actual Results	Req't X-ref	Pass/Fail	Comments
1	Access the FMS FFEL GA NSLDS Fee Load Interface File.		The user is able to view the file.				
2	Change the first rate indicator to 9 basis points.		The user is able to change the rate indicator to 9 basis points.				
3	Save edited file to the FMS Database server.		The user is able to edit and save file to FMS Database server.				
4	Access the Federal Student Aid Financial Management System.		The user is prompted for User Name and Password.				
5	Enter User Name and Password. Click Connect.	User Name: Password:	The Responsibilities screen is displayed.				
6	Select the FSA Financial Partner Manager Responsibility.		The Navigator screen is displayed.				
7	Select Others - Requests - Run. Click on Open.		The Submit a New Request prompt is displayed.				
8	Select Single Request.		The Submit Request screen is displayed.				

9	Enter the following data and click Submit Request.	Request Name: FSA Process NSLDS Load Parameters: NSLDS: FSA Financial Partner Manager: SFA FFEL GA Extensions: SFA FFEL GA Language: American English At these Times: As Soon As Possible	The Reports screen is displayed.				
10	Select the FSA Process NSLDS Load Interface and click OK.		The Requests screen is displayed.				
11	Verify that the Request is displayed with the Phase: Completed and Status: Normal for the Payable Open Interface, FSA FFEL GA NSLDS LPIF, and SFA Process NSLDS Load requests.		The request is processed successfully.				
12	Verify that information from the file is loaded into staging tables where it is processed to arrive at the fee amount.				3.1		
13	Login into Toad.		The user is able to access Toad.				
14	Access the DEVCOM.WORLD Server.	User Name: FFELGA Password: FMS1Devcom	The user is able to access the DEVCOM.WORLD server.				
15	Run Query: Select * from FFELGA_NSLDS_LPIF_FEE		The query is completed successfully.				
16	Verify that information from the file is loaded correctly into staging tables.		The information is loaded correctly into the tables.				

17	Verify that the disbursement amount is calculated: $\text{Disbursement Amount} = \text{Loan Amt (Basis Points/1000)} / 100$				3.2		
18	Verify calculation program by comparing data in the table against Expected Results.		The data in the tables matches the Expected Results.				
19	Verify that the interface is able to accommodate future rate changes without any further code changes.				3.3		
20	Verify that the first record with the basis point 9 (from Script 1.0) was calculated correctly.		The calculation with the basis point of 9 is calculated correctly and matches the Expected Results.				
21	Verify that the disbursement amounts are loaded to Oracle Payable Open interface tables.				3.4		
24	Run Query: Select * from AP_INVOICE_LINES_INTERFACE		The query is completed successfully.				
25	Verify that the calculated disbursement amounts are loaded correctly to Oracle Payable Open interface tables.		The information is loaded correctly into the tables.				
24	Select * from AP_INVOICES_INTERFACE		The query is completed successfully.				
25	Verify that the calculated disbursement amounts are loaded correctly to Oracle Payable Open interface tables.		The information is loaded correctly into the tables.				
26	Return to FMS.		The user is able to access FMS.				
27	Click on Special. Select Switch Responsibility.		The Responsibilities screen is displayed.				

28	Select the FSA FFEL GA Payables SuperUser responsibility.		The Navigator screen is displayed.				
29	Select Inquiry-Invoice Batches and Click on Open.		The Invoice Batches (FFELOU) screen is displayed with the FFELNSLDS LPIF 2003 Q.				
30	Click on Query. Select Enter.		The Invoice Batches (FFELOU) screen is available for entry.				
31	Enter FFELNSLDS LPIF 2003%.		The test batch is available.				
32	Click on Invoices.		The Invoices (FFELGA_OU) screen is displayed.				
33	Click on Overview.		The Invoice Overview screen is displayed.				
34	Verify that the information displayed matches the Expected Results.		The data displayed matches the Expected Results.				

Financial Management System (FMS)
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3.0 NSLDS Communication

Test Script Name: NSLDS Errors					Test Date:		
Script Executed By: Irene Alisasis					Script Execution Status (Pass/Fail):		
Step No.	Steps	Action / Data Required	Expected Results	Actual Results	Req't X-ref	Pass/Fail	Comments
1	Verify that the file is rejected and an error is communicated to NSLDS if more than one header record is present in the file.				4.2		
2	Access the FMS FFEL GA NSLDS Fee Load Interface File.		The user is able to view the file.				
3	Copy and paste the header record, so that the file has two header records.		The user is able to create two header records.				
4	Save edited file to the FMS Database server.		The user is able to edit and save file to FMS Database server.				
5	Access the Federal Student Aid Financial Management System.		The user is prompted for User Name and Password.				
6	Enter User Name and Password. Click Connect.	User Name: Password:	The Responsibilities screen is displayed.				
7	Select the FSA Financial Partner Manager Responsibility.		The Navigator screen is displayed.				

8	Select Others - Requests - Run. Click on Open.		The Submit a New Request prompt is displayed.				
9	Select Single Request.		The Submit Request screen is displayed.				
10	Enter the following data and click Submit Request.	Request Name: FSA Process NSLDS Load Parameters: NSLDS: FSA Financial Partner Manager: SFA FFEL GA Extensions: SFA FFEL GA Language: American English At these Times: As Soon As Possible	The Reports screen is displayed.				
11	Select the FSA Process NSLDS Load Interface and click OK.		The Requests screen is displayed.				
12	Verify that the Request is displayed with the Phase: Completed and Status: Error.		The request is not processed successfully.				
14	An error is emailed to NSLDS indicating that the file has more than one header record.		The email is received by NSLDS.				
15	Login into Toad.		The user is able to access Toad.				
16	Access the DEVCOM.WORLD Server.	User Name: FFELGA Password: FMS1Devcom	The user is able to access the DEVCOM.WORLD server.				
17	Verify that information from the file is not loaded correctly into staging tables.		The information is loaded correctly into the tables.				

18	Run Query: Select * from FFELGA_NSLDS_LPIF_FES		The query is completed successfully and no results were returned for this submission.				
19	Run Query: Select * from AP_INVOICE_LINES_INTERFACE		The query is completed successfully and no rows are returned for this submission.				
20	Run Query: Select * from AP_INVOICES_INTERFACE		The query is completed successfully and no rows are returned for this submission.				
21	Verify that the file is rejected and an error is communicated to NSLDS if more than one trailer record is present in the file.				4.3		
22	Access the FMS FFEL GA NSLDS Fee Load Interface File.		The user is able to view the file.				
23	Copy and paste the trailer record, so that the file has two header records.		The user is able to create two trailer records.				
24	Save edited file to the FMS Database server.		The user is able to edit and save file to FMS Database server.				
25	Return to FMS.		The user is able to access FMS.				
26	Click on Special. Select Switch Responsibility.		The Responsibilities screen is displayed.				
27	Select the FSA Financial Partner Manager Responsibility.		The Navigator screen is displayed.				
28	Select Others - Requests - Run. Click on Open.		The Submit a New Request prompt is displayed.				
29	Select Single Request.		The Submit Request screen is displayed.				

30	Enter the following data and click Submit Request.	Request Name: FSA Process NSLDS Load Parameters: NSLDS: FSA Financial Partner Manager: SFA FFEL GA Extensions: SFA FFEL GA Language: American English At these Times: As Soon As Possible	The Reports screen is displayed.				
31	Select the FSA GA NSLDS LFIP FEES Load Interface and click OK.		The Requests screen is displayed.				
32	Verify that the Request is displayed with the Phase: Completed and Status: Error.		The request is not processed successfully.				
33	An error is emailed to NSLDS indicating that the file has more than one trailer record.		The email is received by NSLDS.				
34	Return to Toad.		The user is able to access Toad.				
35	Access the DEVCOM.WORLD Server.	User Name: FFELGA Password: FMS1Devcom	The user is able to access the DEVCOM.WORLD server.				
36	Verify that information from the file is not loaded correctly into staging tables.		The information is loaded correctly into the tables.				
37	Run Query: Select * from FFELGA_NSLDS_FEES.		The query is completed successfully and no results were returned for this				
38	Run Query: Select * from AP_INVOICE_LINES_INTERFACE		The query is completed successfully and no rows are returned for this submission.				

39	Run Query: Select * from AP_INVOICES_INTERFAC E		The query is completed successfully and no rows are returned for this submission.				
40	Verify that the file is rejected and an error is communicated if the number of detail records in the file does not match the record count mentioned in the trailer record.				4.4		
41	Access the FMS FFEL GA NSLDS Fee Load Interface File.		The user is able to view the file.				
42	Change the record count to 10.		The user is able change the record count.				
43	Verify that the file is rejected and an error is communicated if the Basis Point is zero.				4.5		
44	Change the basis point of the first record to zero.		The user is able change the basis point.				
45	Verify that the file is rejected and an error is communicated if a detail record has a zero amount.				4.6		
46	Change the amount of the second record to zero.		The user is able change the amount.				
47	Save edited file to the FMS Database server.		The user is able to edit and save file to FMS Database server.				
48	Return to FMS.		The user is able to access FMS.				
49	Click on Special. Select Switch Responsibility.		The Responsibilities screen is displayed.				
50	Select the FSA Financial Partner Manager Responsibility.		The Navigator screen is displayed.				
51	Select Others - Requests - Run. Click on Open.		The Submit a New Request prompt is displayed.				
52	Select Single Request.		The Submit Request screen is displayed.				

53	Enter the following data and click Submit Request.	Request Name: FSA Process NSLDS Load Parameters: NSLDS: FSA Financial Partner Manager: SFA FFEL GA Extensions: SFA FFEL GA Language: American English At these Times: As Soon As Possible	The Reports screen is displayed.				
54	Select the FSA Process NSLDS Load Interface and click OK.		The Requests screen is displayed.				
55	Verify that the Request is displayed with the Phase: Completed and Status: Error.		The request is not processed successfully.				
56	Verify that an error is communicated to NSLDS if one or more records are in error.				4.7		
57	An error is emailed to NSLDS indicating that the file has incorrect record count, a detail record has a basis point of zero, and a detail record has an amount of zero.		The email indicating all errors is received by NSLDS.				
58	Remove file from FMS DB Server.		The file is no longer on the FMS DB Server.				
59	Return to Toad.		The user is able to access Toad.				
60	Access the DEVCOM.WORLD Server.	User Name: FFELGA Password: FMS1Devcom	The user is able to access the DEVCOM.WORLD server.				
61	Verify that information from the file is not loaded		The information is loaded correctly into the tables.				

62	Run Query: Select * from FFELGA_NSLDS_LPIF_FES.		The query is completed successfully and no results were returned for this submission.				
63	Run Query: Select * from AP_INVOICE_LINES_INTERFACE		The query is completed successfully and no rows are returned for this submission.				
64	Run Query: Select * from AP_INVOICES_INTERFACE		The query is completed successfully and no rows are returned for this				
65	Remove file from FMS DB Server.		The file is no longer on the FMS DB Server.				
66	Verify that the rejected file is saved to the LPIF Data File Archive				1.5		
67	Using telnet or Tera Term, access the VDC UNIX box to access the FMS Database Server.		The user is able to access the FMS Database Server.				
68	Enter the TCP/IP host and Click OK.	Host: hpl6					
69	Check the LPIF Data File Archive.	Path: /sfad06/APPLCSF/DEVCO M/ffelga/incoming/history	The user is able to access the history directory.				
70	Verify that the file appears with the correct date, file name, and .R+(consecutive number) extension.		The file appears with the correct date, file name, and R+(consecutive number) extension				The system automatically generates an extension based on 'R' for rejected and 'S' for successful followed by a unique number.